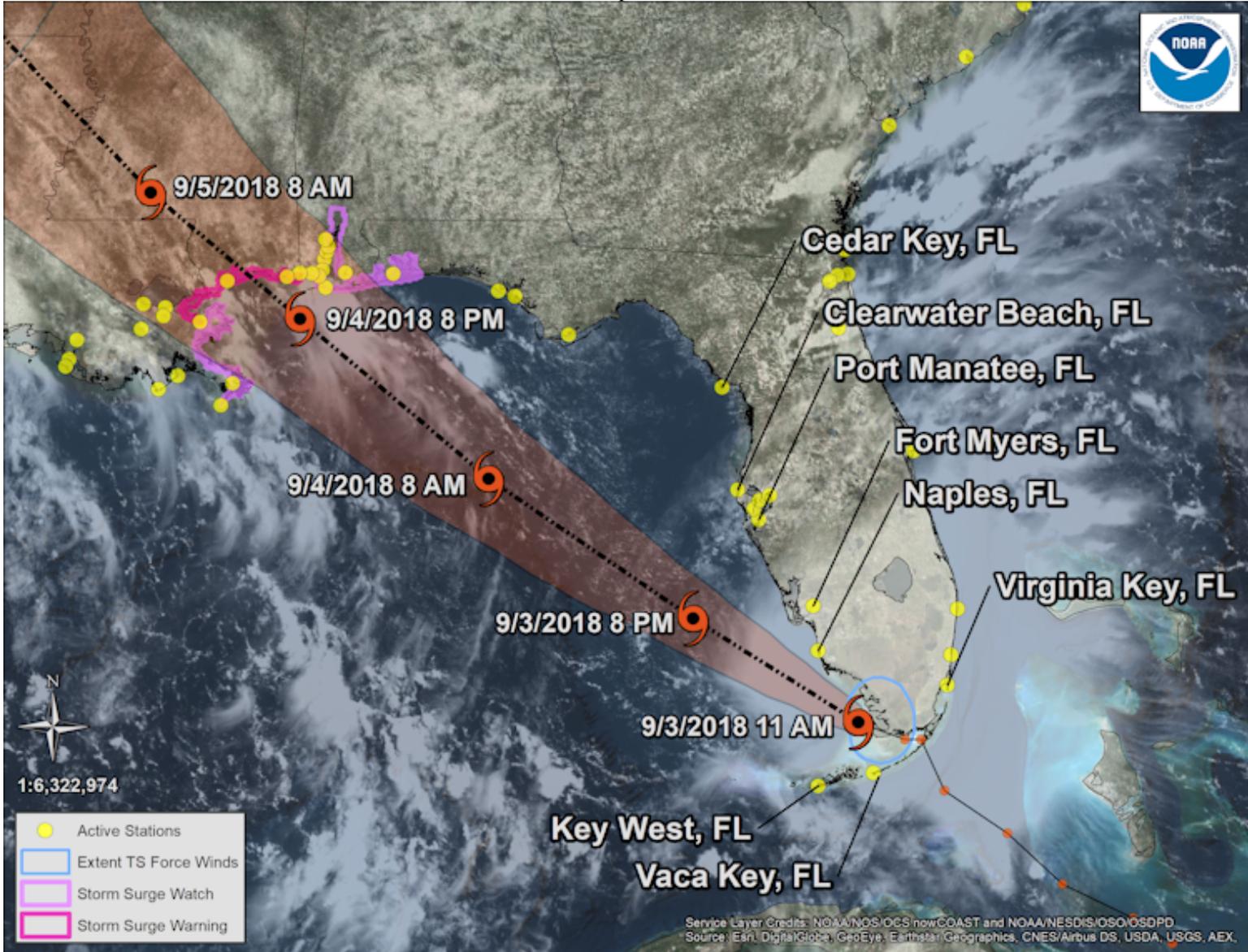




Tropical Storm Gordon QuickLook
 Posted: 12:00 EDT 09/03/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/03/2018 12:00 EDT, water levels across the Florida Keys are elevated and range between 0.4 and 1.2 feet above normal tide levels. Stations along the Gulf Coast of Florida are at or near normal tide levels. Winds remain breezy in southern Florida and the Florida Keys, with gusts to 25 knots. Barometric pressure is normal across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: CF

Select National Hurricane Center Advisory Information:

Tropical Storm Gordon Advisory Number 5
1100 AM EDT Mon Sep 03 2018

...GORDON LASHING SOUTH FLORIDA WITH TROPICAL-STORM-FORCE WINDS AND HEAVY RAINS...
...STORM SURGE WARNING AND HURRICANE WATCH ISSUED FOR PORTIONS OF THE CENTRAL GULF COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Storm Surge Warning has been issued from Shell Beach, Louisiana, to the Mississippi-Alabama border.

The Storm Surge Watch has been extended eastward from the Mississippi-Alabama border to Navarre, Florida.

A Hurricane Watch has been issued from the Mouth of the Pearl River to the Alabama-Florida Border.

The Tropical Storm Warning has been extended eastward to the Okaloosa-Walton County Line.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

- * Shell Beach to Mississippi-Alabama border

A Storm Surge Watch is in effect for...

- * West of Shell Beach to the Mouth of the Mississippi River
- * East of the Mississippi-Alabama border to Navarre

A Hurricane Watch is in effect for...

- * Mouth of the Pearl River to the Alabama-Florida Border

A Tropical Storm Warning is in effect for...

- * Golden Beach to Bonita Beach
- * Craig Key to Ocean Reef, including Florida Bay
- * Okaloosa-Walton County Line westward to east of Morgan City, Louisiana, including Lake Pontchartrain and Lake Maurepas

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning areas.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND OUTLOOK

At 1100 AM EDT (1500 UTC), the center of Tropical Storm Gordon was located near latitude 25.3 North, longitude 81.3 West. Gordon is moving toward the west-northwest near 16 mph (26 km/h) and a west-northwestward to northwestward motion is expected over the next 72 hours. On the forecast track, the center of Gordon will emerge over the southeastern Gulf of Mexico by early afternoon, reach the warning area along the central Gulf Coast by late Tuesday or Tuesday night, and move inland over the lower Mississippi Valley on Wednesday.

Maximum sustained winds are near 45 mph (75 km/h) with higher gusts. strengthening is forecast during the next 36 to 48 hours, and Gordon could be near hurricane strength when it makes landfall along the central Gulf Coast.

Tropical-storm-force winds extend outward up to 45 miles (75 km) from the center.

The estimated minimum central pressure is 1009 mb (29.80 inches).

HAZARDS AFFECTING LAND

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

Shell Beach to the Mississippi-Alabama border...3 to 5 ft.

Navarre Florida to the Mississippi-Alabama border...2 to 4 ft.

Shell Beach to the Mouth of Mississippi River...2 to 4 ft.

Mouth of the Mississippi River to the Louisiana-Texas border...1 to 2 ft.

The deepest water will occur along the immediate coast near and to the east of the landfall location, where the surge will be accompanied by large waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Gordon is expected to produce total rain accumulations of 2 to 4 inches over the central and northwestern Bahamas, the Florida Keys, and South Florida through early Tuesday. Isolated maximum amounts of 8 inches are possible over the southern Florida peninsula.

Gordon is expected to produce total rain accumulations of 4 to 6 inches over southern Alabama, southern Mississippi and Louisiana, with isolated maximum amounts of 8 inches through early Thursday.

These rainfall amounts may cause flash flooding.

WIND: Tropical storm conditions will continue through the afternoon in the warning areas across South Florida and the Florida Keys. Tropical storm conditions are expected within portions of the central Gulf Coast warning area by late Tuesday, with hurricane conditions possible late Tuesday or Tuesday night in the hurricane watch area.

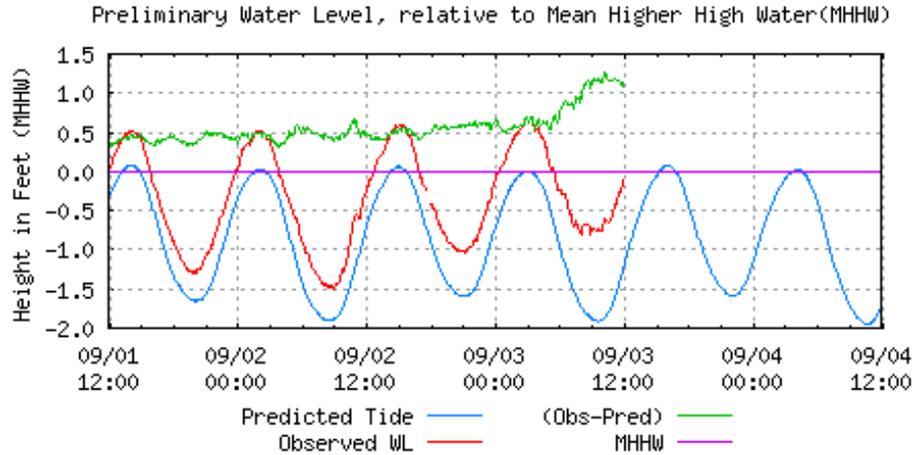
TORNADOES: A couple of tornadoes are possible through tonight across the southern and west-central Florida Peninsula.

Forecaster Stewart

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Virginia Key, Biscayne Bay - Water Level](#), [Virginia Key, Biscayne Bay - Winds](#), [Virginia Key, Biscayne Bay - Barometric](#), [Vaca Key, Florida Bay - Water Level](#), [Vaca Key, Florida Bay - Winds](#), [Vaca Key, Florida Bay - Barometric](#), [Key West - Water Level](#), [Key West - Winds](#), [Naples, Gulf of Mexico - Water Level](#), [Naples, Gulf of Mexico - Winds](#), [Naples, Gulf of Mexico - Barometric](#), [Fort Myers, Caloosahatchee River - Water Level](#), [Fort Myers, Caloosahatchee River - Winds](#), [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#)

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



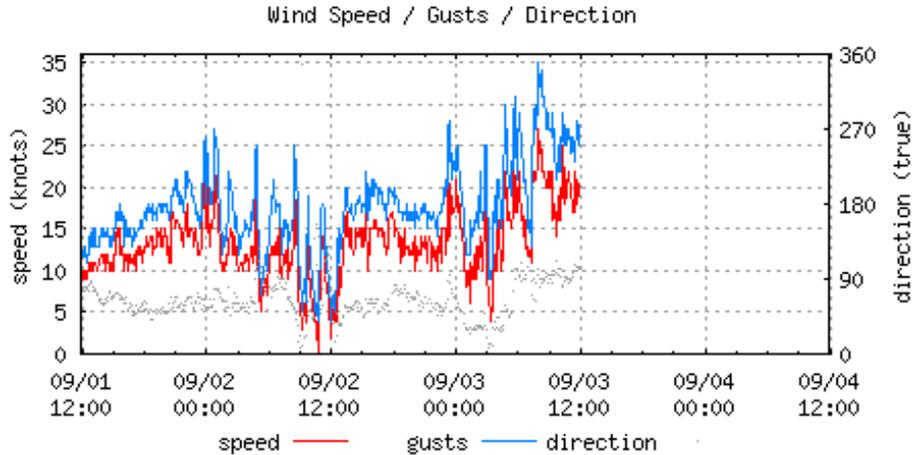
Last Observed Sample: 09/03/2018 11:54 (EDT). Data relative to MHHW

Observed: -0.10 ft. Predicted: -1.24 ft. Residual: 1.14 ft.

Historical Maximum Water Level: Sep 10 2017, 3.59 ft.

Next High Tide: 09/03/2018 16:01 (EDT), 0.07 ft.

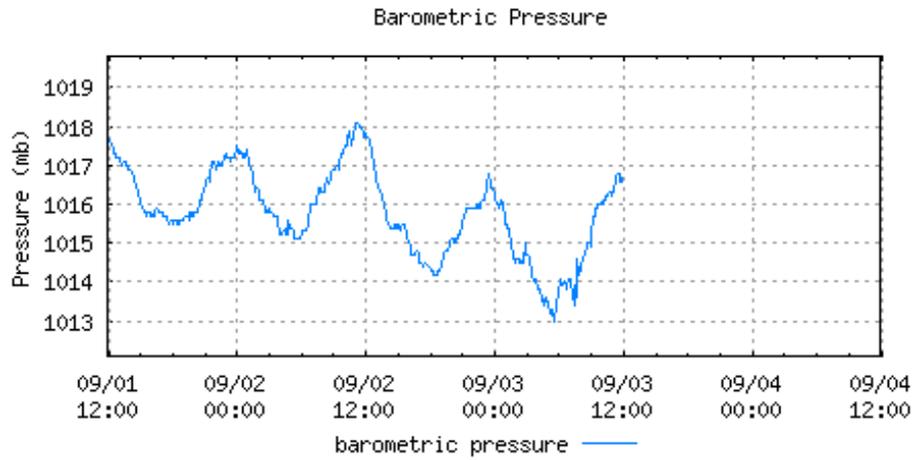
NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



Last Observed Sample: 09/03/2018 11:54 (EDT)

Wind Speed: 19 knots Gusts: 25 knots Direction: 105° T

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL

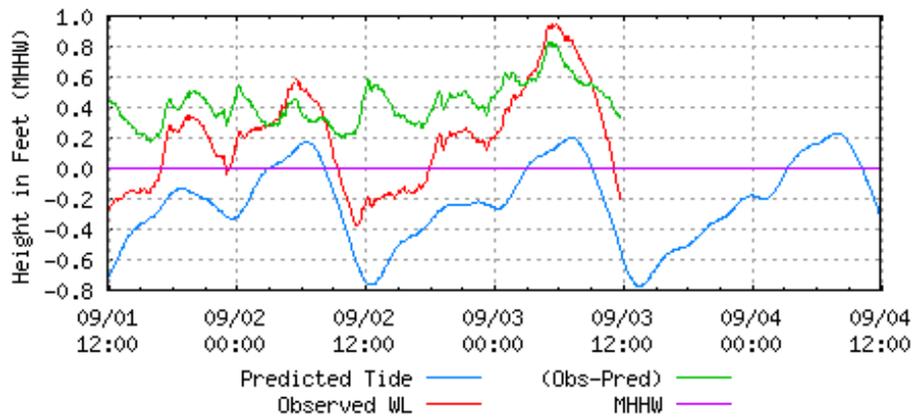


Last Observed Sample: 09/03/2018 11:54 (EDT)

Barometric Pressure: 1016.7 mb

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



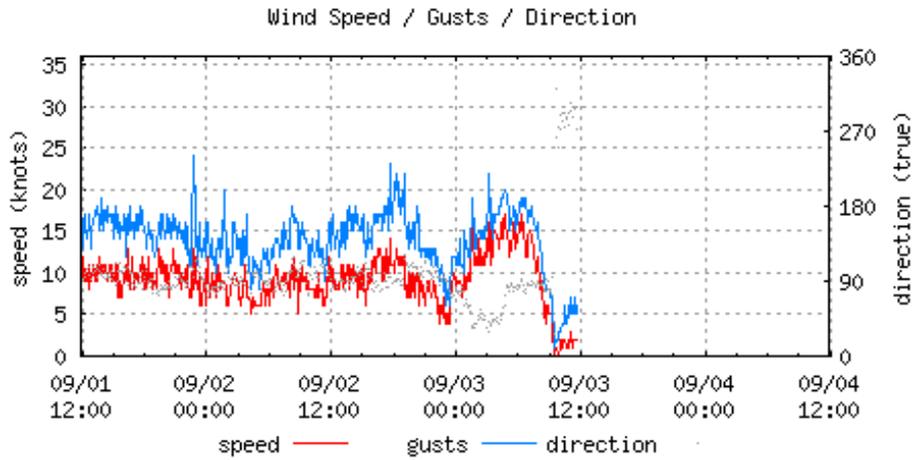
Last Observed Sample: 09/03/2018 11:42 (EDT). Data relative to MHHW

Observed: -0.20 ft. Predicted: -0.53 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Oct 24 2005, 5.80 ft.

Next High Tide: 09/04/2018 07:56 (EDT), 0.23 ft.

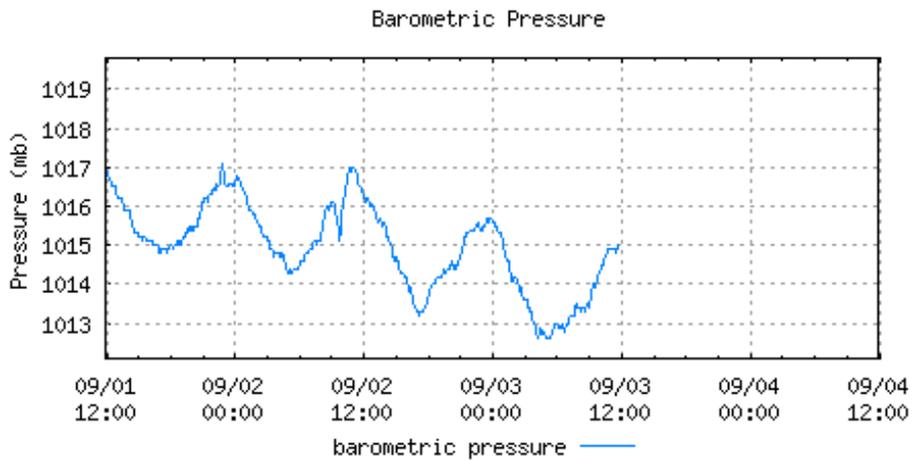
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



Last Observed Sample: 09/03/2018 11:42 (EDT)

Wind Speed: 2 knots Gusts: 5 knots Direction: 273° T

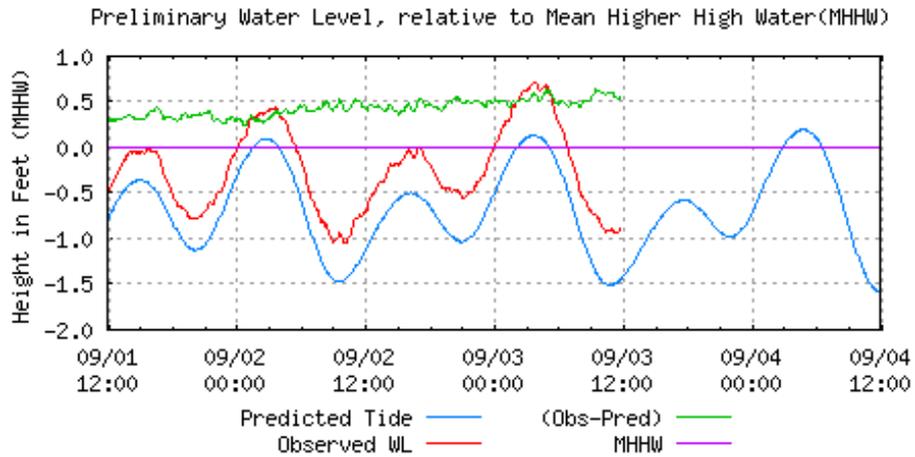
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



Last Observed Sample: 09/03/2018 11:42 (EDT)

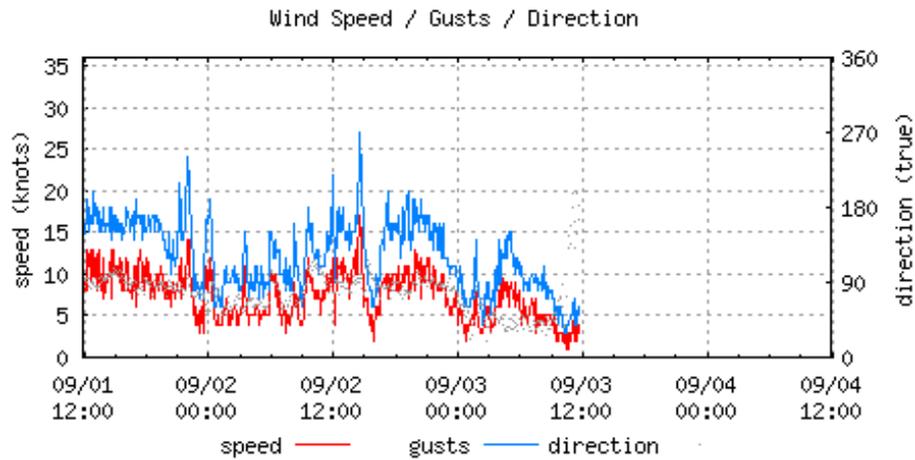
Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 8724580 Key West, FL



Last Observed Sample: 09/03/2018 11:48 (EDT). Data relative to MHHW
Observed: -0.90 ft. Predicted: -1.45 ft. Residual: 0.55 ft.
Historical Maximum Water Level: Oct 24 2005, 3.14 ft.
Next High Tide: 09/03/2018 17:38 (EDT), -0.58 ft.

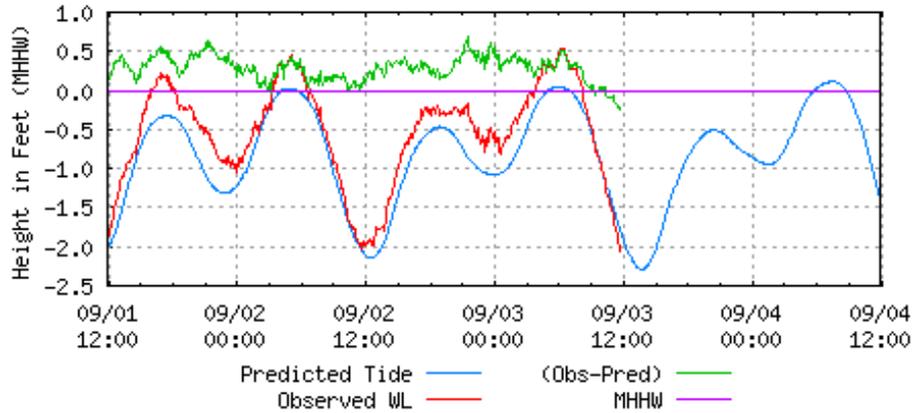
NOAA/NOS/CO-OPS 8724580 Key West, FL



Last Observed Sample: 09/03/2018 11:48 (EDT)
Wind Speed: 3 knots Gusts: 5 knots Direction: 156° T

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 09/03/2018 11:48 (EDT). Data relative to MHHW

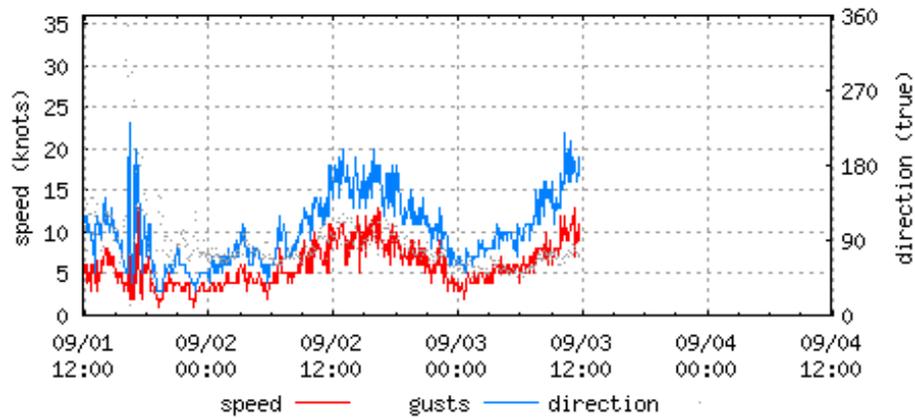
Observed: -2.05 ft. Predicted: -1.85 ft. Residual: -0.20 ft.

Historical Maximum Water Level: Sep 10 2017, 4.02 ft.

Next High Tide: 09/03/2018 20:24 (EDT), -0.50 ft.

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

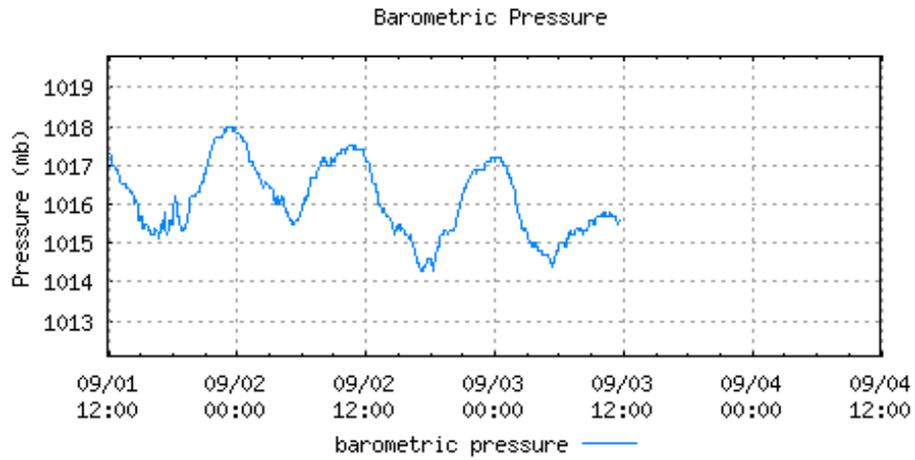
Wind Speed / Gusts / Direction



Last Observed Sample: 09/03/2018 11:48 (EDT)

Wind Speed: 12 knots Gusts: 19 knots Direction: 71° T

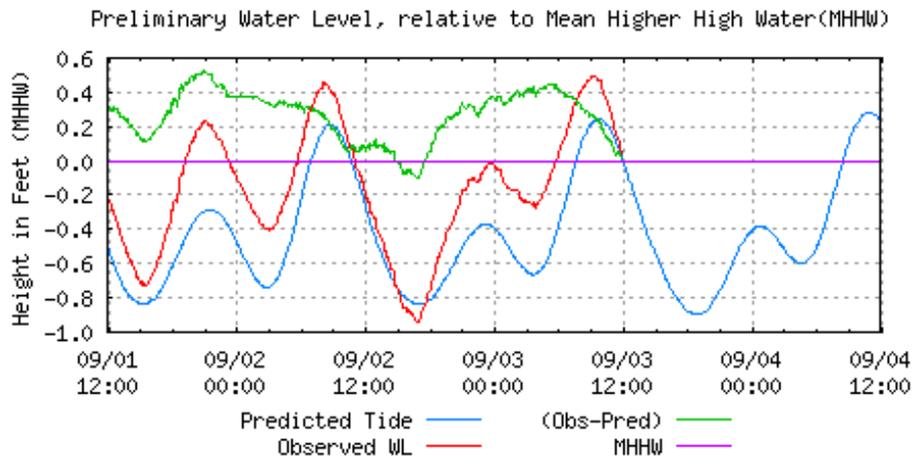
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/03/2018 11:48 (EDT)

Barometric Pressure: 1015.6 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



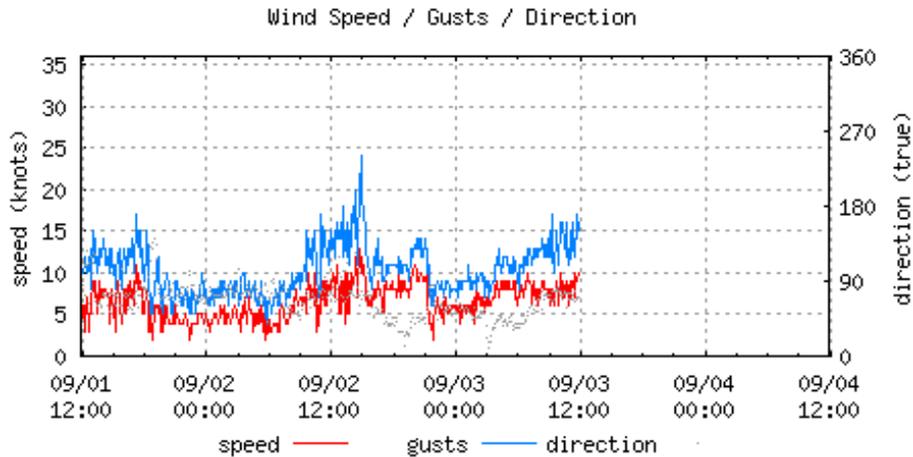
Last Observed Sample: 09/03/2018 11:48 (EDT). Data relative to MHHW

Observed: 0.04 ft. Predicted: 0.02 ft. Residual: 0.02 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 09/04/2018 00:43 (EDT), -0.38 ft.

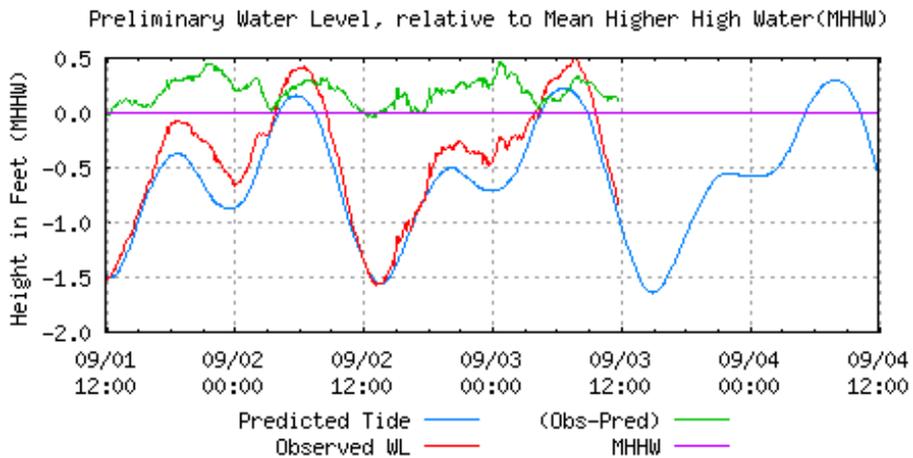
NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/03/2018 11:48 (EDT)

Wind Speed: 10 knots Gusts: 15 knots Direction: 71° T

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



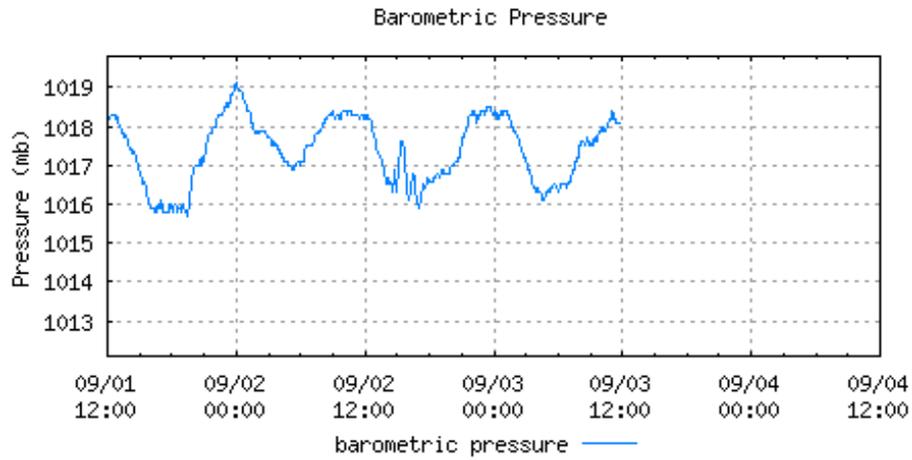
Last Observed Sample: 09/03/2018 11:42 (EDT). Data relative to MHHW

Observed: -0.83 ft. Predicted: -0.95 ft. Residual: 0.12 ft.

Historical Maximum Water Level: Sep 2 2016, 2.34 ft.

Next High Tide: 09/03/2018 21:57 (EDT), -0.55 ft.

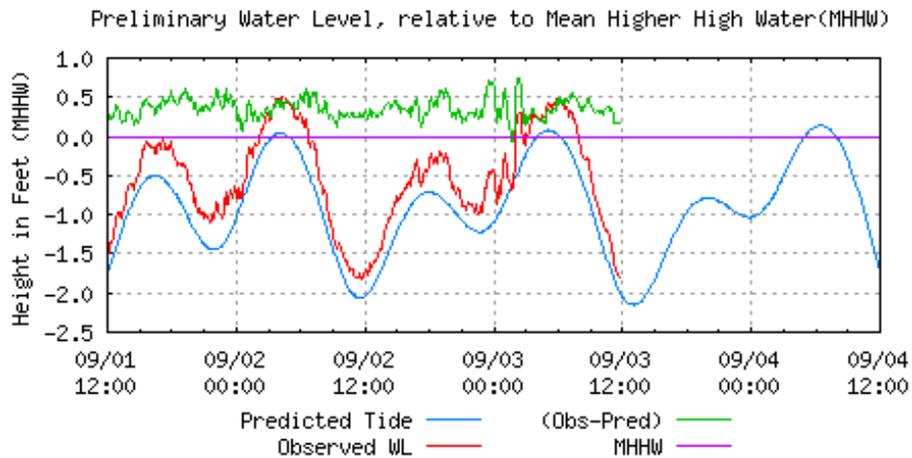
NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



Last Observed Sample: 09/03/2018 11:42 (EDT)

Barometric Pressure: 1018.1 mb

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



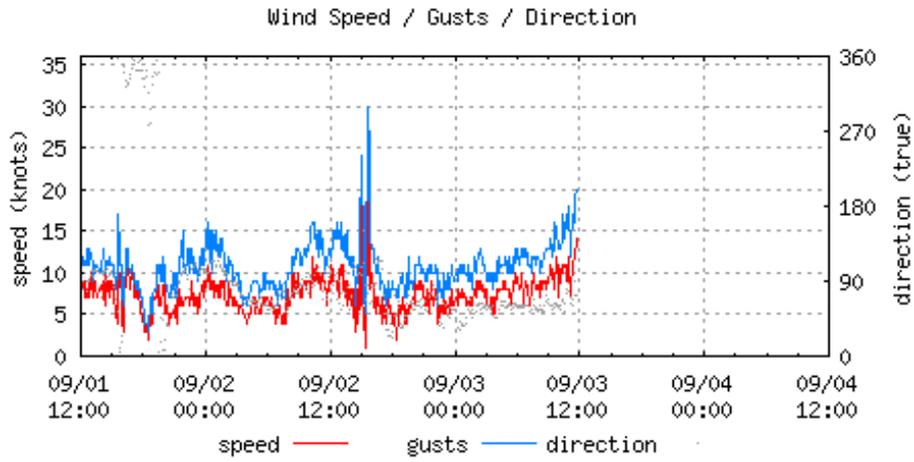
Last Observed Sample: 09/03/2018 11:42 (EDT). Data relative to MHHW

Observed: -1.80 ft. Predicted: -1.98 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 09/03/2018 19:56 (EDT), -0.79 ft.

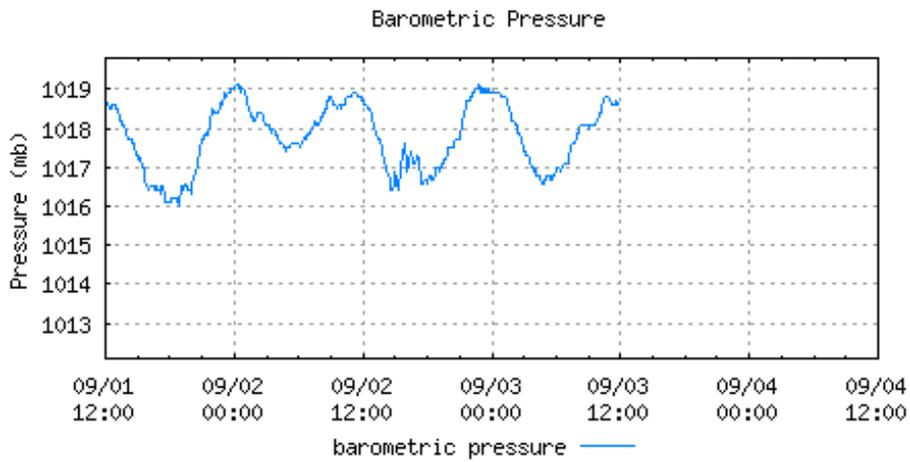
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/03/2018 11:42 (EDT)

Wind Speed: 14 knots Gusts: 20 knots Direction: 73° T

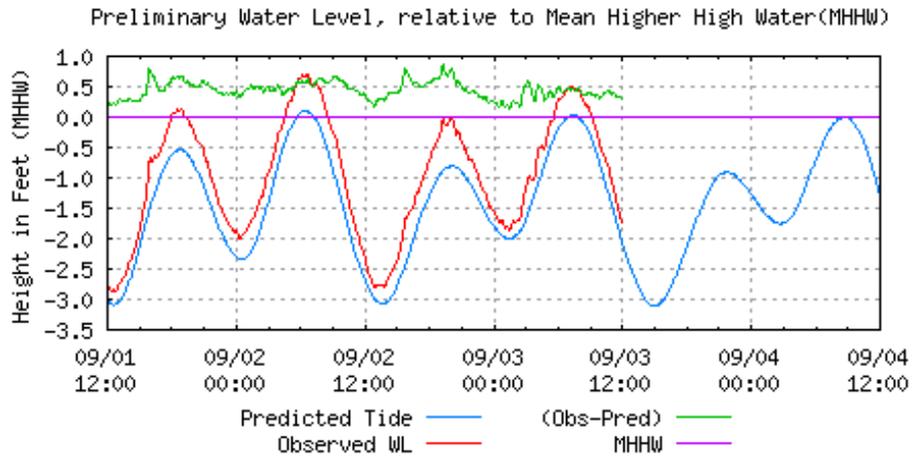
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/03/2018 11:42 (EDT)

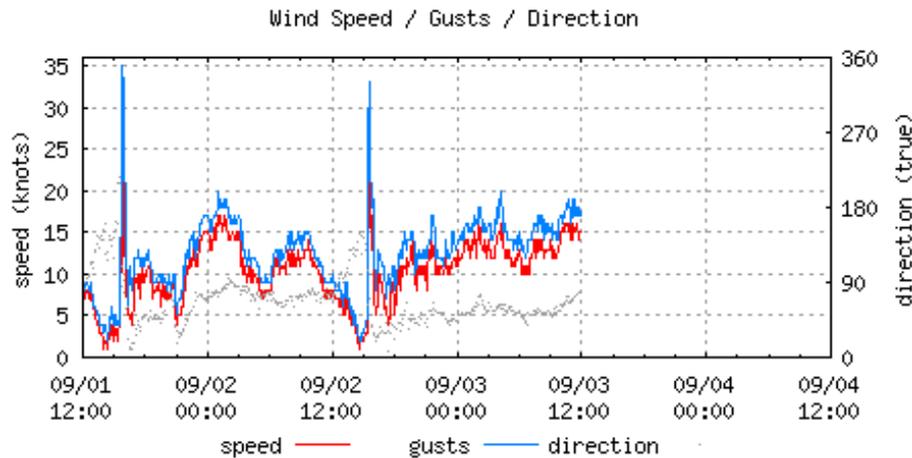
Barometric Pressure: 1018.6 mb

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/03/2018 11:54 (EDT). Data relative to MHHW
Observed: -1.73 ft. Predicted: -2.03 ft. Residual: 0.30 ft.
 Historical Maximum Water Level: Sep 2 2016, 5.98 ft.
 Next High Tide: 09/03/2018 21:43 (EDT), -0.91 ft.

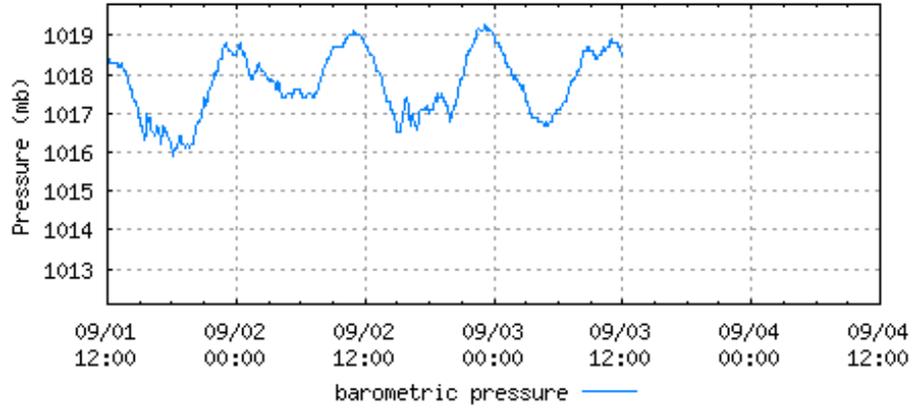
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/03/2018 11:54 (EDT)
Wind Speed: 15 knots Gusts: 17 knots Direction: 77° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Barometric Pressure



Last Observed Sample: 09/03/2018 11:54 (EDT)

Barometric Pressure: 1018.5 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8723214	Virginia Key, Biscayne Bay, FL	09/03/2018 11:54 (EDT)	-0.10 ft	-1.24 ft	1.14 ft	0.70 ft
8723970	Vaca Key, Florida Bay, FL	09/03/2018 11:42 (EDT)	-0.20 ft	-0.53 ft	0.33 ft	0.95 ft
8724580	Key West, FL	09/03/2018 11:48 (EDT)	-0.90 ft	-1.45 ft	0.55 ft	0.72 ft
8725110	Naples, Gulf of Mexico, FL	09/03/2018 11:48 (EDT)	-2.05 ft	-1.85 ft	-0.20 ft	0.54 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/03/2018 11:48 (EDT)	0.04 ft	0.02 ft	0.02 ft	0.49 ft
8726384	Port Manatee, FL	09/03/2018 11:42 (EDT)	-0.83 ft	-0.95 ft	0.12 ft	0.49 ft
8726724	Clearwater Beach, FL	09/03/2018 11:42 (EDT)	-1.80 ft	-1.98 ft	0.18 ft	0.49 ft
8727520	Cedar Key, FL	09/03/2018 11:54 (EDT)	-1.73 ft	-2.03 ft	0.30 ft	0.49 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
 National Oceanic and Atmospheric Administration | U.S. Department of Commerce